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Automatic identification of banknote values - using optical scanning to  
provide sampled values subjected to correlation process

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Number of Countries: 003 Number of Patents: 005

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date | Week     |
|------------|------|----------|-------------|------|------|----------|
| DE 2935668 | A    | 19800522 |             |      |      | 198022 B |
| GB 2038063 | A    | 19800716 |             |      |      | 198038   |
| GB 2038063 | B    | 19820825 |             |      |      | 198234   |
| CH 651145  | A    | 19850830 |             |      |      | 198538   |
| DE 2935668 | C    | 19890309 |             |      |      | 198910   |

Priority Applications (No Type Date): US 78960156 A 19781113

Abstract (Basic): DE 2935668 A

An automatic scanning system provides the basis of bank-note value determination that is performed at high speeds. The banknote (10) is fed continuously at high speed between contact drive rollers and video signals are generated by optical sensors (14) receiving light reflected from the surface. The sensors have a limiting field of view over a specific section of the note as it passes. Video signals generated by the sensors are digitised and are entered into memory (24). The specific sampling of the sensor output is controlled (28) by a pulse generator connected to the roller elements in contact with the note.

The identification of a note is based typically upon 72 sampled values that are subjected to a correlation process using a comparator (30) and multiplier (32) under the control of an incrementing stage (34).

Title Terms: AUTOMATIC; IDENTIFY; BANKNOTE; VALUE; OPTICAL; SCAN; SAMPLE;  
VALUE; SUBJECT; CORRELATE; PROCESS

Derwent Class: T04; T05

International Patent Class (Additional): G06K-009/18; G06M-007/06;  
G07D-007/00

File Segment: EPI

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